

Ishibashi et al.

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[21] Appl. No.: 372,078

[30] **Foreign Application Priority Data**

[51] Int. Cl.⁶ G02B 6/00; G02B 6/36
[52] U.S. Cl.

[52] U.S. Cl. 385/92; 361/785

[58] Field of Search 361/785, 760,
361/761, 783; 385/88-94

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E 1366-04

Original

[11] Patent Number: 5,596,663

[45] Date of Patent: Jan. 21, 1997

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Primary Examiner—Akm E. Aullah
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[57] ABSTRACT

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A fiber optic module includes a connector connected to a mother board of a host computer, an LD semiconductor IC for converting serial data received from the mother board to an LD electric signal for a laser diode, an LD module for converting the LD electric signal to an LD optical signal, a PD module for converting a photodiode optical signal to a PD electric signal, a PD semiconductor IC for converting the PD electric signal to PD serial data, a circuit board having the connector and carrying LD semiconductor IC and PD semiconductor IC, an LD shielding plate and a PD shielding plate for electrically shielding the LD module and the PD module, respectively, a [first frame and a second] frame for

holding the circuit board, LD module and PD module. In the fiber optic module, the connector is of a surface mounting type, leads of the LD and PD modules are connected to a side of the circuit board mounted with the connector, the circuit board has an LD variable resistor for adjusting a drive current of the LD module, the LD variable resistor is provided to a side of the circuit board opposite to the connector, the circuit board has a PD variable resistor provided to the side of the circuit board opposite to the connector for detecting a signal of the PD module, 3 signal processing semiconductor ICs or less are provided.

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58 Claims, 18 Drawing Sheets

1